

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

I_{NFORMATION}

S_{YSTEM}

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Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.

DIST.	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL SHEETS
06	Fres	41,99	REB. 7/7/22.1, 8.2/8.6	334	368

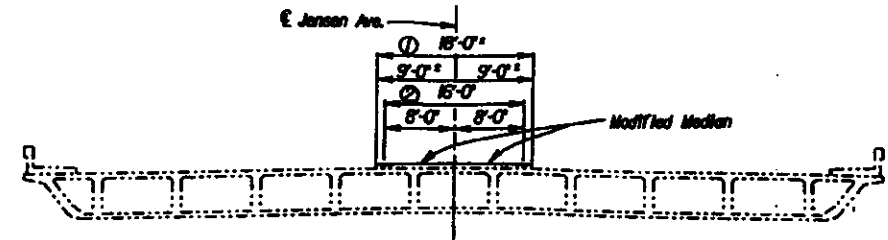
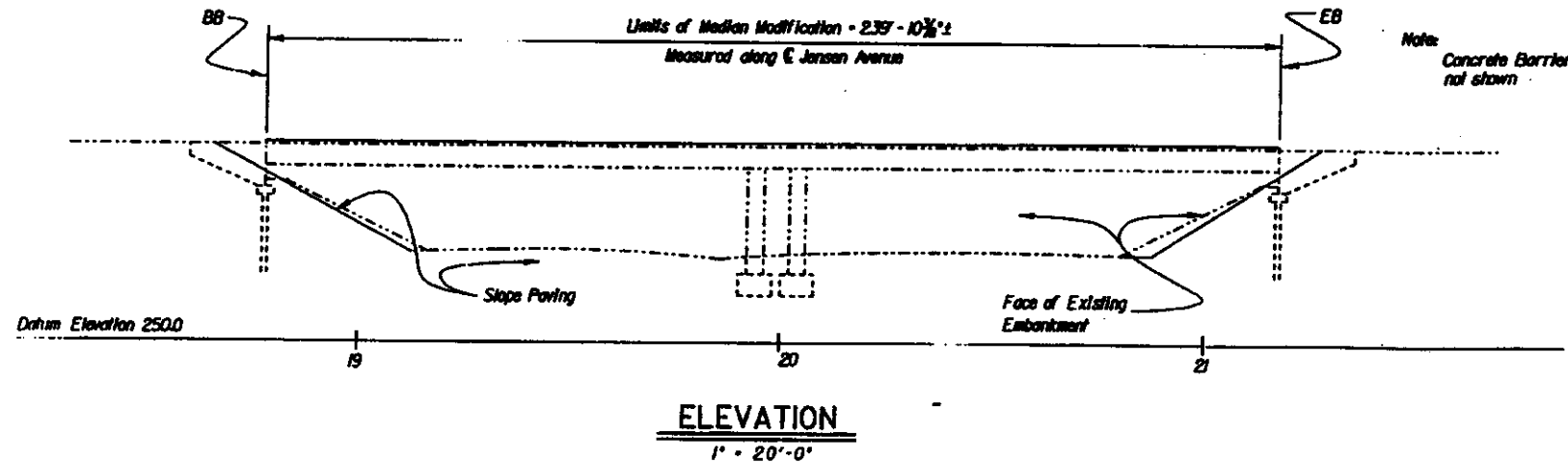
REGISTERED ENGINEER - CIVIL

STANLEY RU

1-22-96

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



TYPICAL SECTION

1" = 10'-0"

Note:
① Units of existing median
② Units of modified median

STANDARD PLAN SHEET NO.
DETAIL NO.

INDEX TO PLANS

SHEET TITLE

1. GENERAL PLAN
2. MEDIAN MODIFICATION
3. SLOPE PAVING - FULL SLOPE

AS BUILT PLANS

Contract No. 06-342604

Contractor BENCO

Resident Engineer LES HICKINBOTHAM

Date of Completion 6/10/97

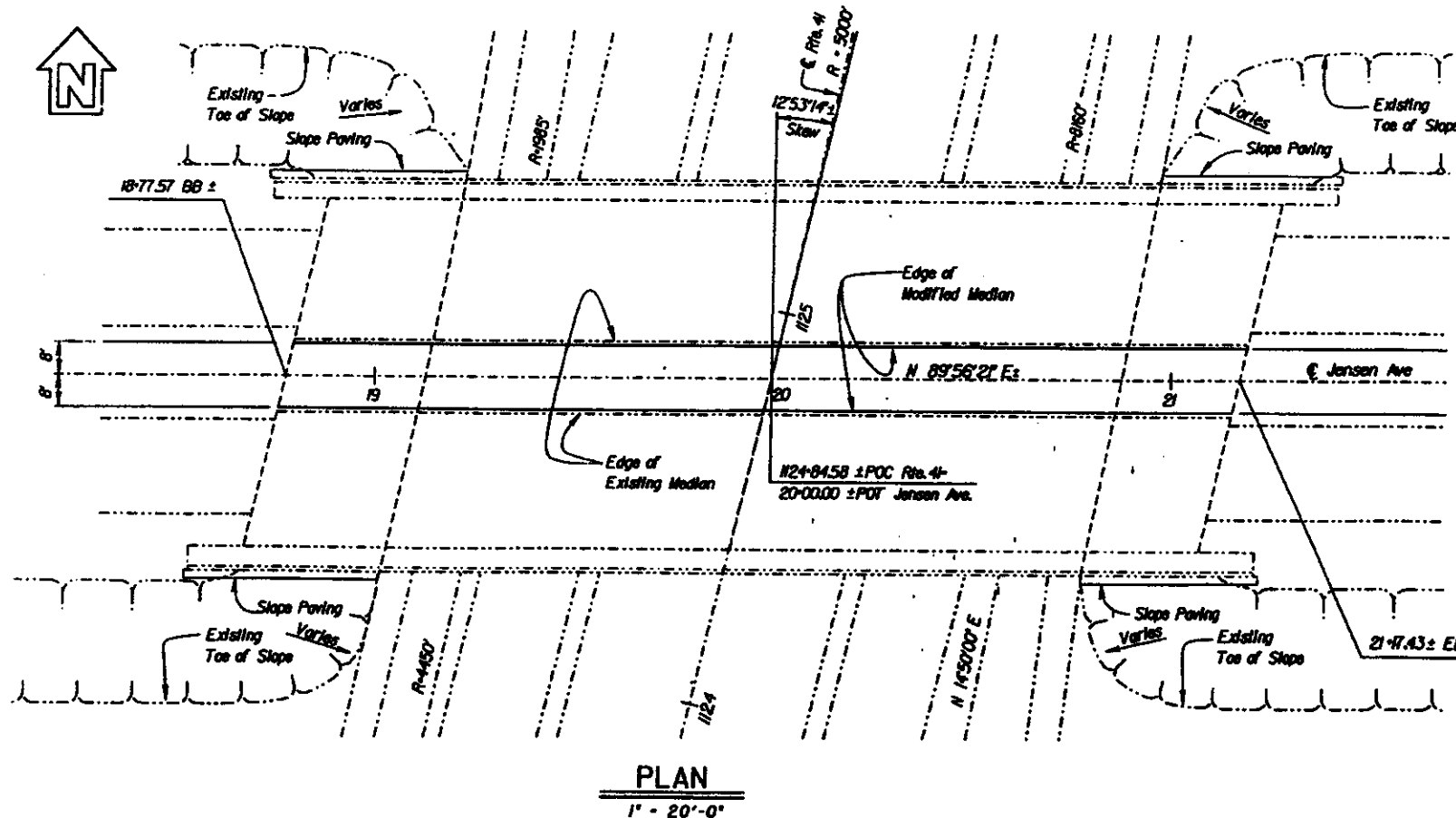
BY DAVID L. VALGOS STRUC. REP.

NO CHANGES ON THIS SHEET.

QUANTITIES

BRIDGE REMOVAL (PORTION)	UNIT	SUM
ASPHALT CONCRETE (TYPE B)	TON	4
STRUCTURAL CONCRETE, BRIDGE	CY	6
DRILL AND BOND BORE	LF	110
REFINISH BRIDGE DECK	SQFT	1,000
BAR REINFORCING STEEL (BRIDGE)	LB	500
SLOPE PAVING (CONCRETE)	CY	90

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



PLAN

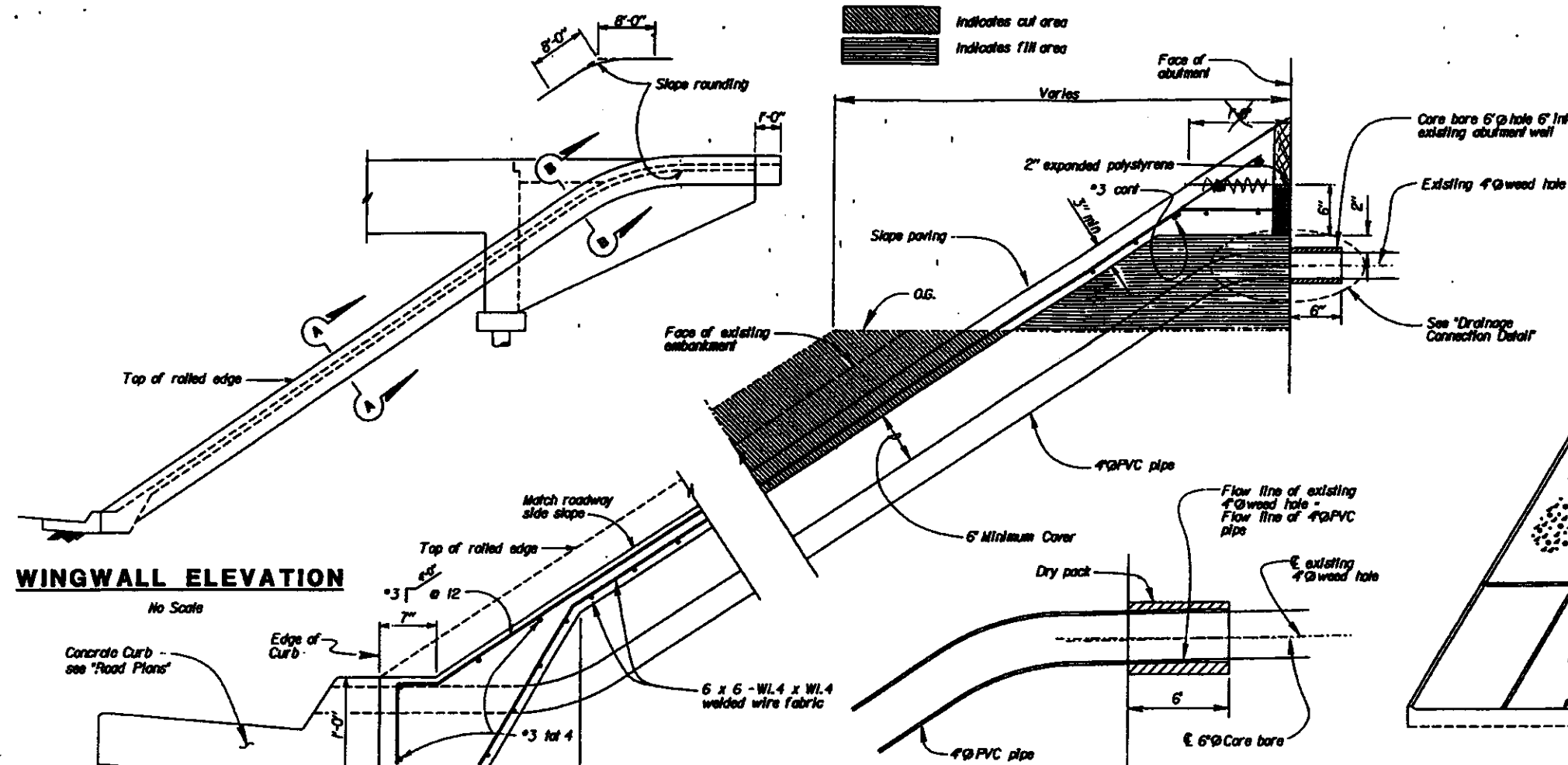
1" = 20'-0"

DESIGN	BY	Stanley Ru	CHECKED	Don Lee	LOAD FACTOR	LIVE LOADS: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA	DIVISION OF STRUCTURES	BRIDGE NO.	JENSEN AVENUE OVERCROSSING
	DETAILS	BY	Stanley Ru	CHECKED						
QUANTITIES	BY	Stanley Ru	CHECKED	Robert Nguyen	LAYOUT	BY	Stanley Ru	STRUCTURE DESIGN	8	GENERAL PLAN
<p>95 OSH 210 (Rev. 1/98)</p> <p>DESIGNER: Brian Moran</p> <p>SCALE: 1" = 20'-0"</p> <p>CU 0607</p> <p>EA 342601</p>								<p>REVISION DATES</p> <p>1 3</p>		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41,90	R20.7/R22.1, 19.2/19.8	336	368

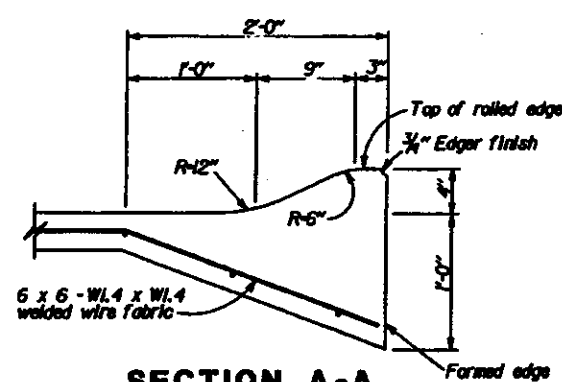
REGISTERED ENGINEER - CIVIL	STANLEY RU
1-22-96	PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



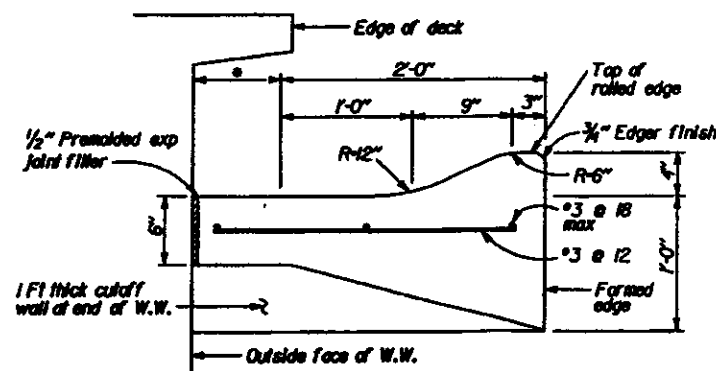
WINGWALL ELEVATION

TYPICAL SECTION - CONCRETE PAVING



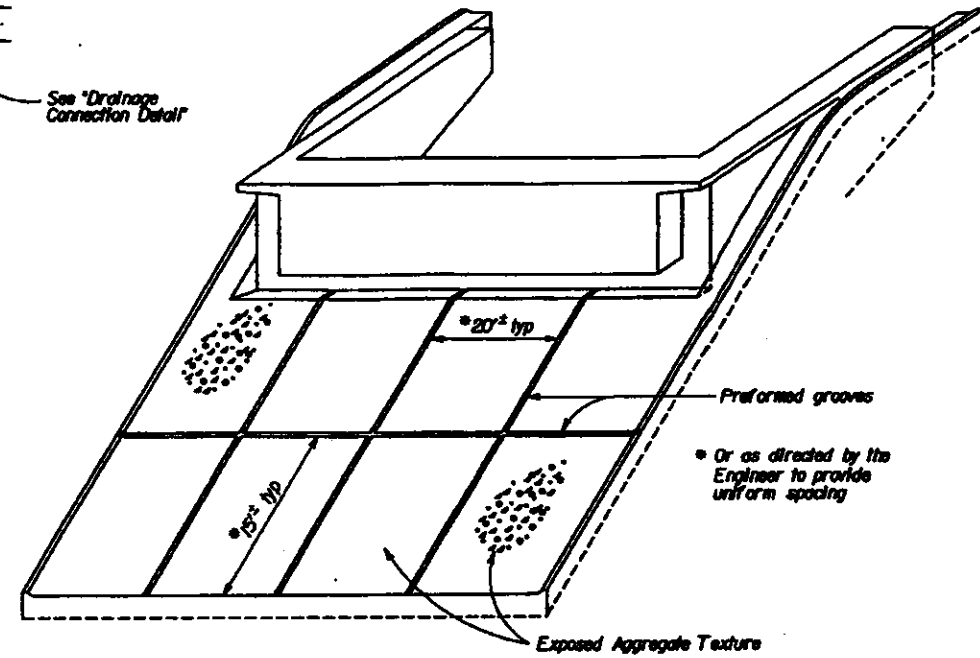
SECTION A-A

DRAINAGE CONNECTION DETAIL



SECTION B-B

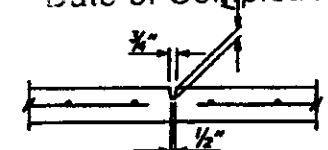
PICTORIAL VIEW OF TYPICAL INSTALLATION



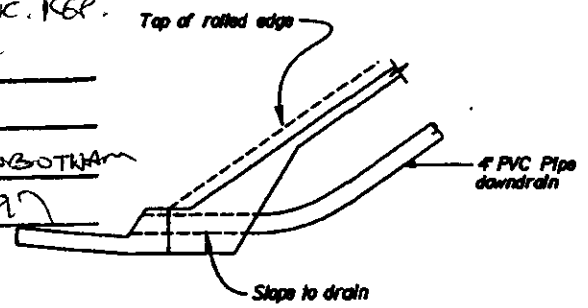
AS BUILT PLANS

BY DAVID W. VAUGHAN STRUC. REP.
Contract No. 06-342604
Contractor BGC CO
Resident Engineer LGS WICKINGBOTHAM
Date of Completion 6/10/97

PREFORMED GROOVE



DRAINAGE DETAILS



TYPICAL - WITH CURB

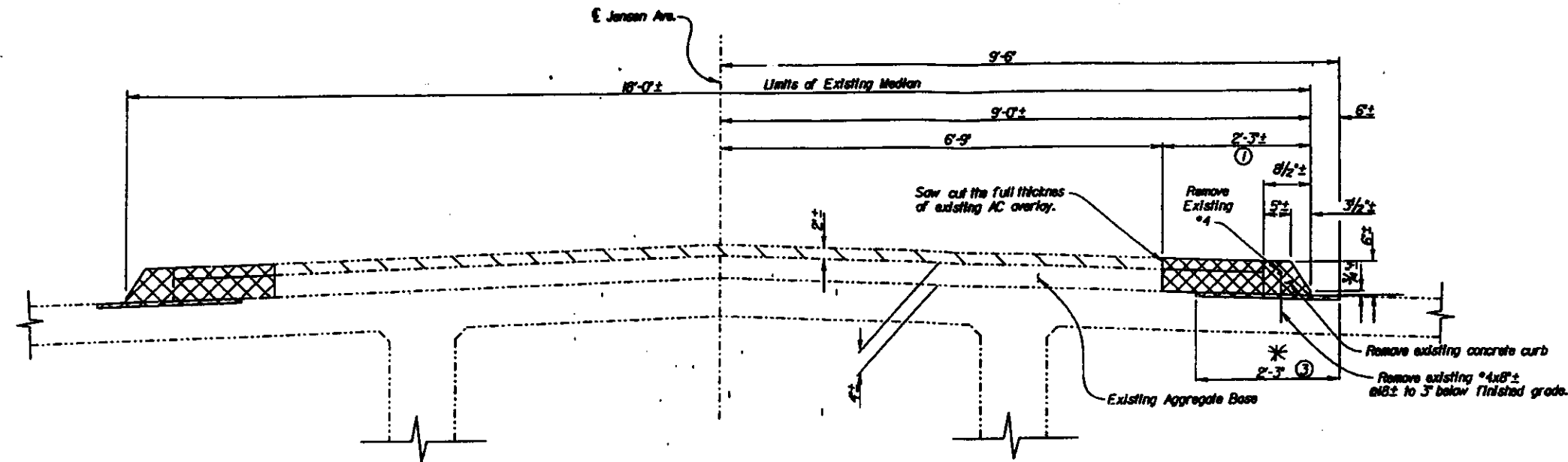
* This dimension becomes zero when edge of deck is at outside face of W.W.

DESIGN	BY Stanley Ru	CHECKED Dan Lee	STATE OF CALIFORNIA	DIVISION OF STRUCTURES	BRIDGE NO. 42-258	JENSEN AVENUE OVERCROSSING
DETAILS	BY Stanley Ru	CHECKED Stanley Ru	DEPARTMENT OF TRANSPORTATION	STRUCTURE DESIGN 8	POST MILE R2L3	SLOPE PAVING - FULL SLOPE
QUANTITIES	BY Stanley Ru	CHECKED Robert Nguyen				

DISL	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41,99	R20.7/R22.1, 19.2/19.9	336	368

REGISTERED ENGINEER - CIVIL		
1-22-96		
PLANS APPROVAL DATE		

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



EXISTING MEDIAN DETAIL

P-T-O

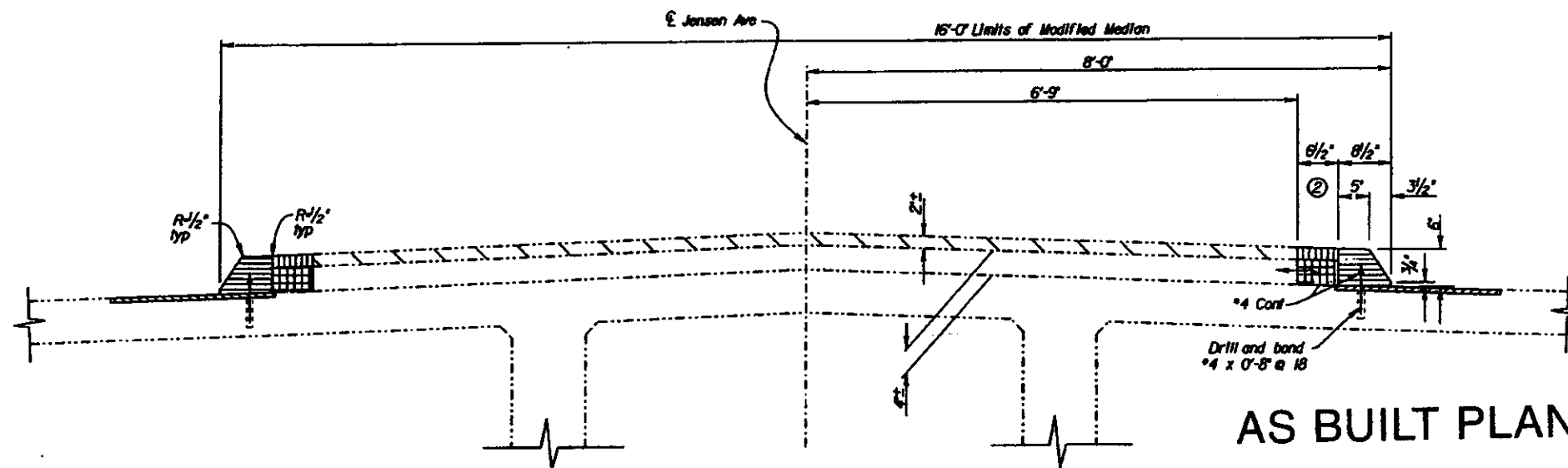
* REFINISH BRIDGE DECK NOT REQUIRED.

NOTES:

- Details are symmetrical about E Jensen Avenue.
- Existing Superstructure reinforcement not shown.
- Remove existing AC overlay, aggregate base, concrete curb, and reinforcement.
- Place AC and aggregate base to match existing AC and aggregate base thickness.

* ③ Limits of refinished bridge deck

- Indicates new AC overlay
- * Indicates refinished bridge deck
- Indicates existing AC overlay
- Indicates existing AC aggregate base, concrete curb and bridge deck to be removed
- Indicates Structural Concrete, Bridge
- Indicates new aggregate base



MODIFIED MEDIAN DETAIL

P-T-O

AS BUILT PLANS

Contract No. 06-342604
 Contractor BENCO
 Resident Engineer LES HICKINGBOTHAM
 Date of Completion 6/10/97
 BY DAVID L. VALLEJO STRUC. REP

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY Stanley Ku	CHECKED Don Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 8	BRIDGE NO. 42-258	JENSEN AVENUE OVERCROSSING		
	DETAILS BY Norm Kelley	CHECKED Stanley Ku			POST MILE 19.3	MEDIAN MODIFICATION		
	QUANTITIES BY Stanley Ku	CHECKED Robert Nguyen						
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	CU 0607 EA 342601	REVISION DATES PRELIMINARY STAGE ONLY		PLAN SHEET 2 OF 3	2

BS 050 309 0400 3/98

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

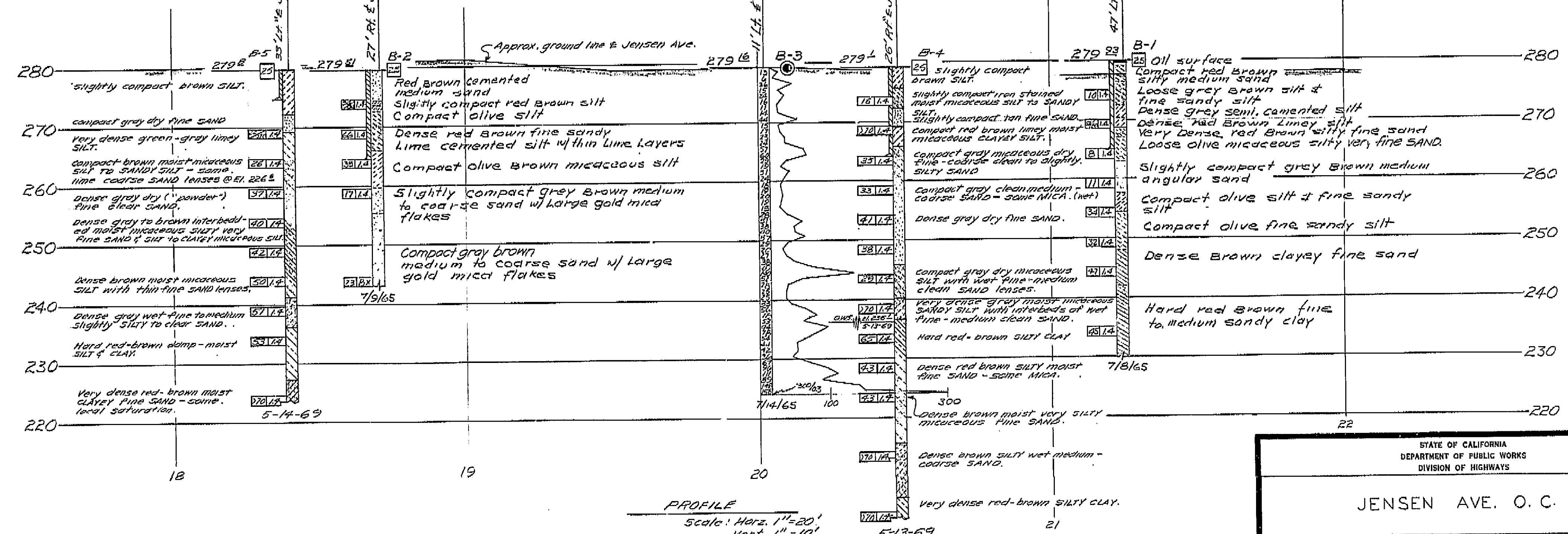
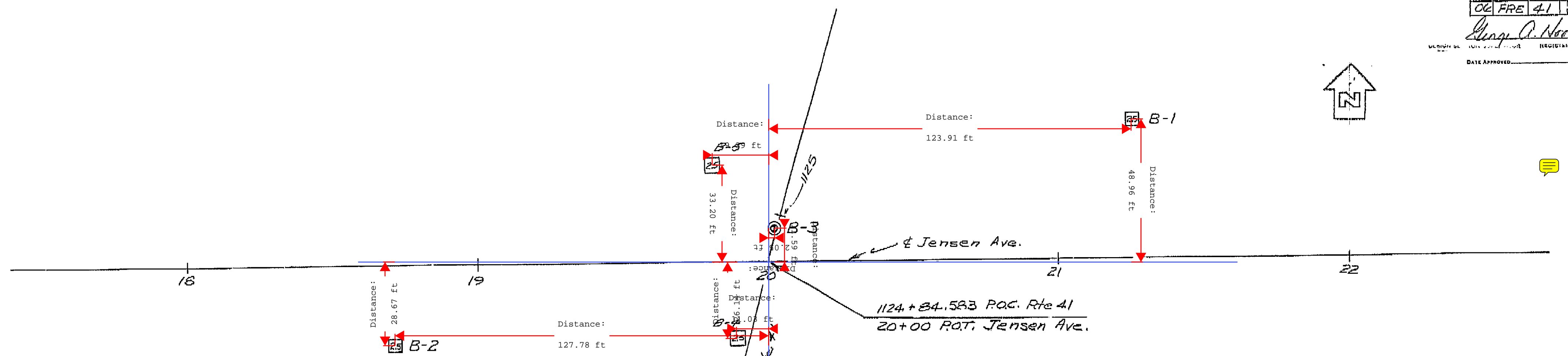
LEGEND OF BORING OPERATIONS

2 1/2" CONE PENETROMETER
SAMPLES BORING (SPT)
ROTARY BORING (RE)
JET BORING
CORE BORING
TEST PIT

2 1/2" CONE PENETROMETER
SAMPLES BORING (SPT)
ROTARY BORING (RE)
JET BORING
CORE BORING
TEST PIT

2 1/2" CONE PENETROMETER
SAMPLES BORING (SPT)
ROTARY BORING (RE)
JET BORING
CORE BORING
TEST PIT

B.M. - 125-Jen.
T-Bar down 0.8'
53.54' L.A. STA. 1124+74.307
R.O.C. F.R. - 41
elev. 279.293



INFORMATION ON ACTUAL FOUNDATION
ENCOUNTERED IS ON FILE
IN BRIDGE GEOLOGY SECTION

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

JENSEN AVE. O.C.

LOG OF TEST BORINGS

SCALE As shown BRIDGE 42-268 FILE DRAWING 42-268-6

PREL. DRAWING NO. PH-72165-2

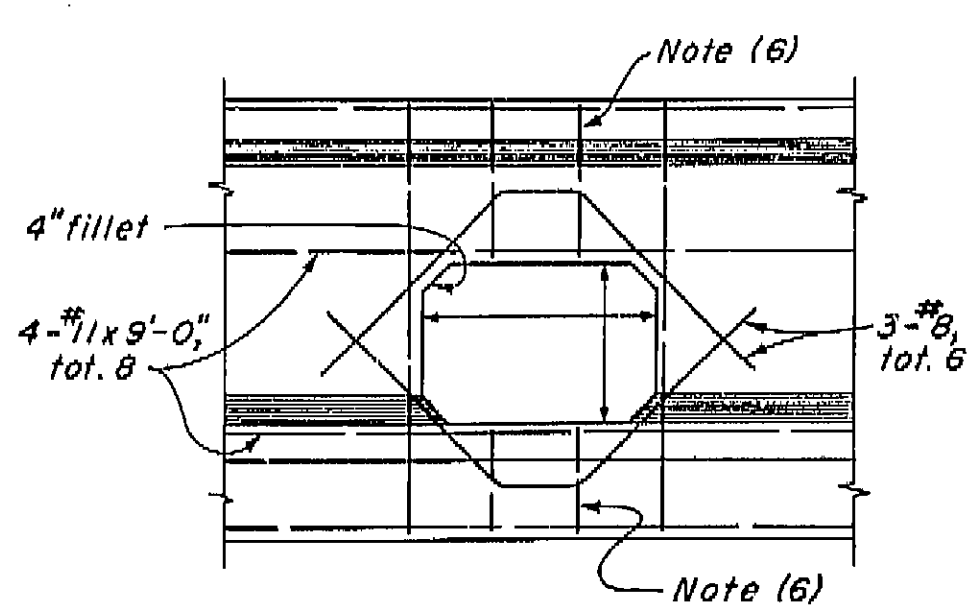
CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

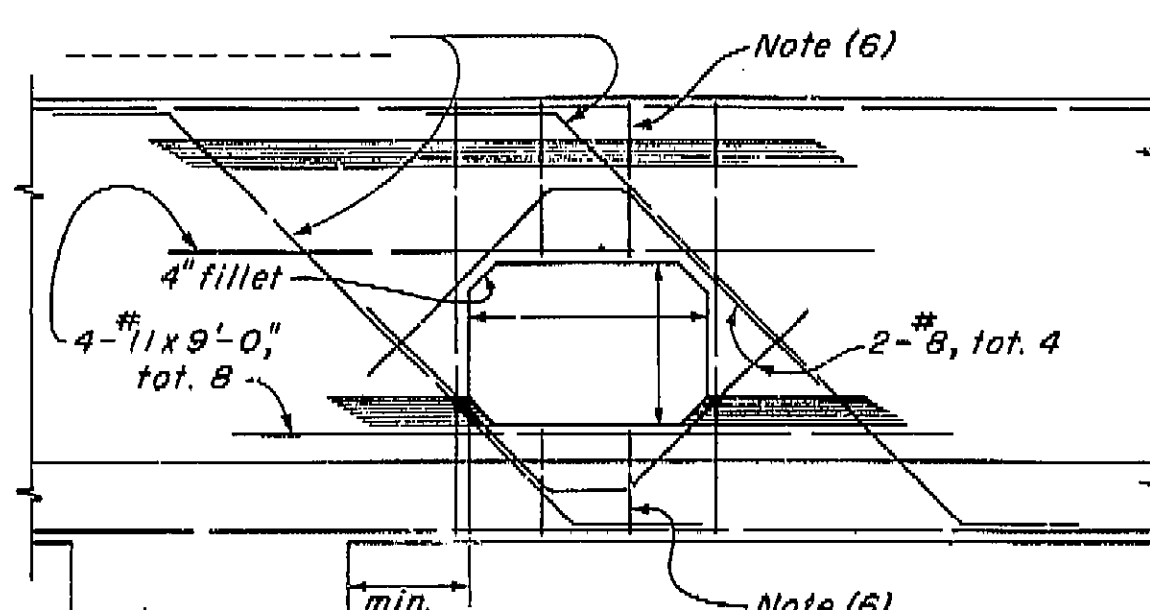
PROJECT ENGINEER	DATE	DESIGN ENGINEER	DATE	APPROVAL RECOMMENDED BY	DATE
	4/70		4/70		4/70

DIST	COUNTY	ROUTE	POST MILES	TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R20.8	R212	24	

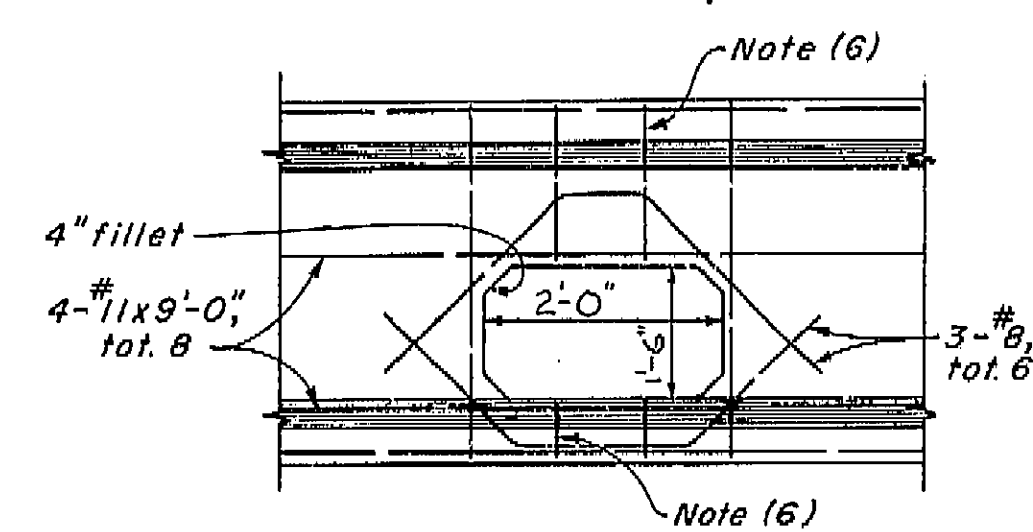
APPROVED: *[Signature]*
CIVIL ENGINEER - LICENSE 2552



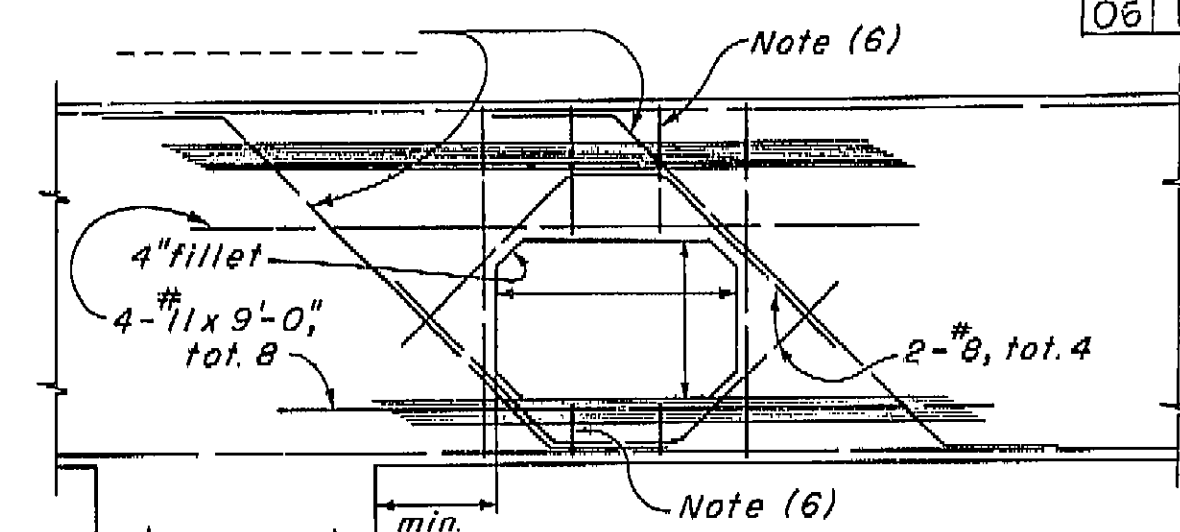
**TYPICAL
DETAIL U1**



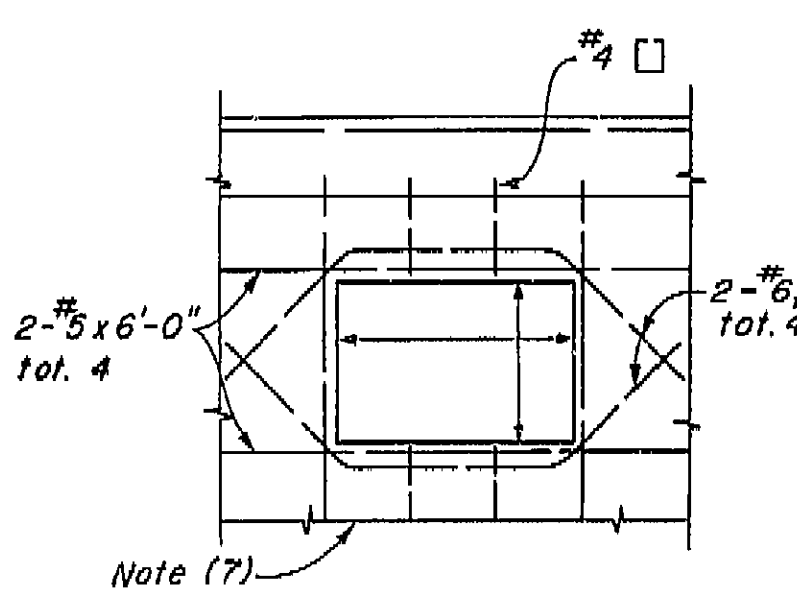
**NEAR COLUMN
DETAIL U2**



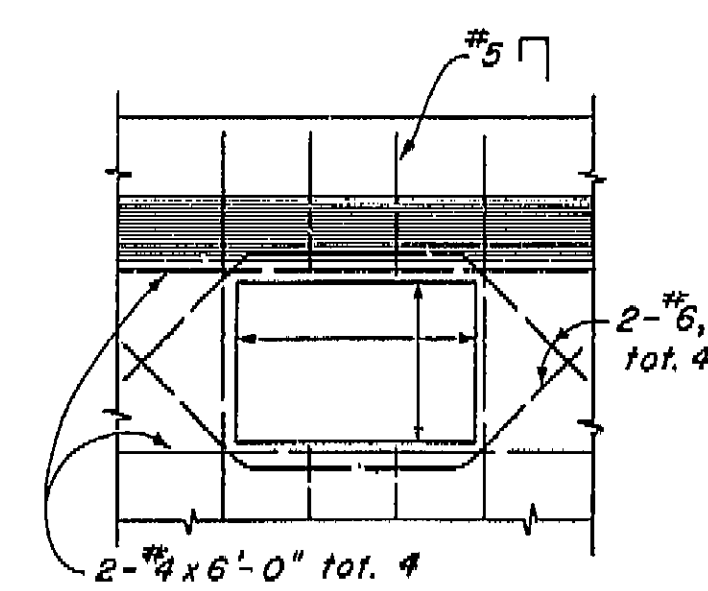
**TYPICAL
DETAIL U3**



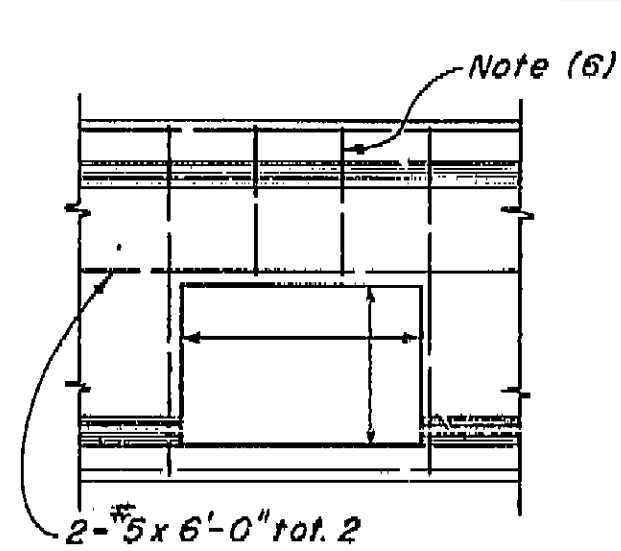
**NEAR COLUMN
DETAIL U4**



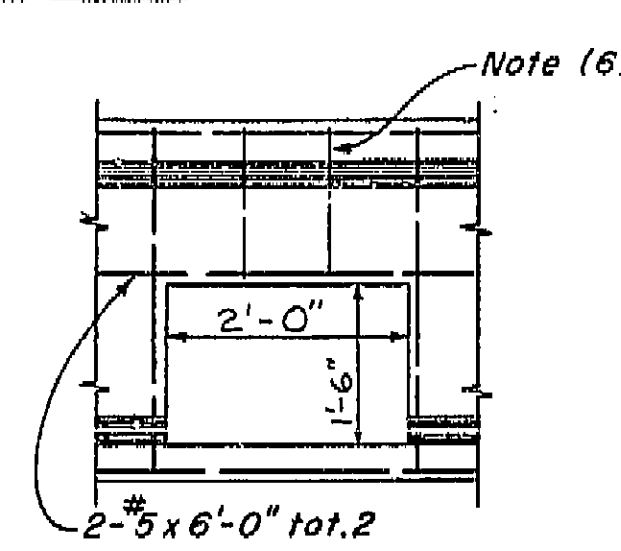
**RIGID FRAME
DETAIL U5**



**CANTILEVER TYPE
DETAIL U6**



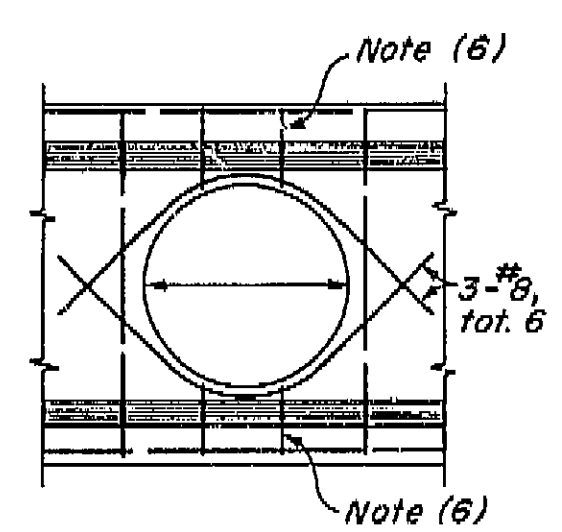
**END
DETAIL U7**



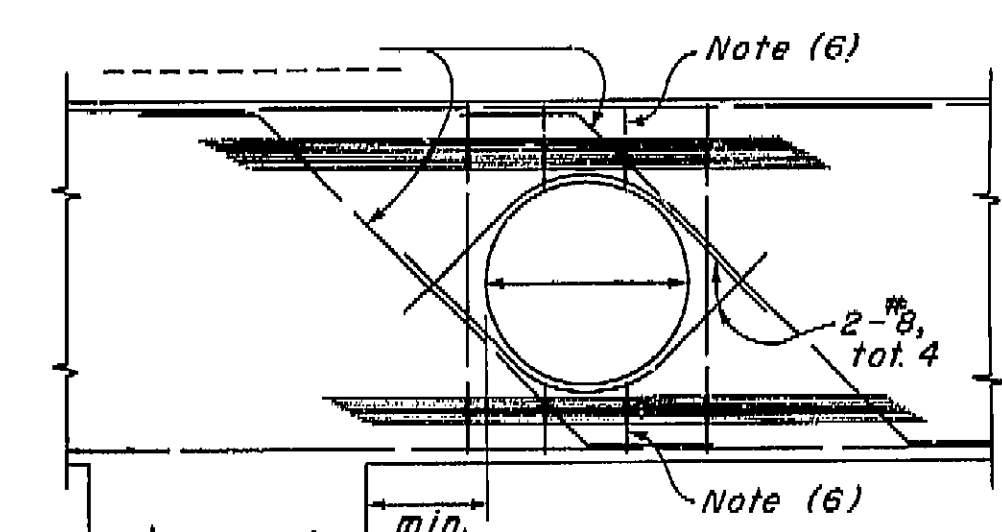
**INTERMEDIATE
DETAIL U8**

ABUTMENT BACKWALL

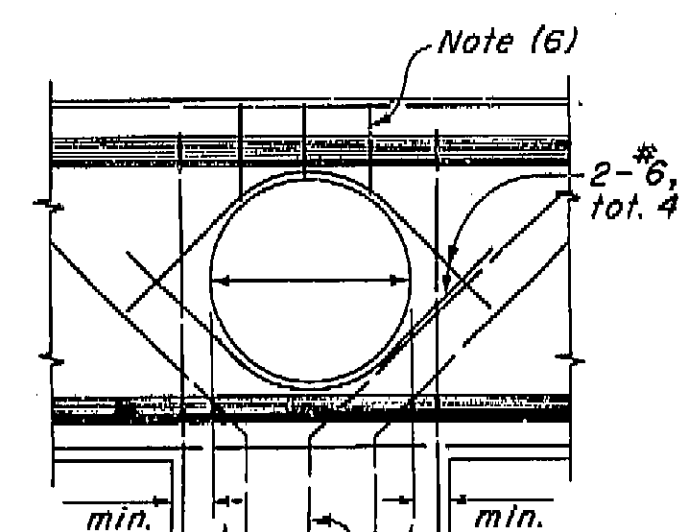
DIAPHRAGMS



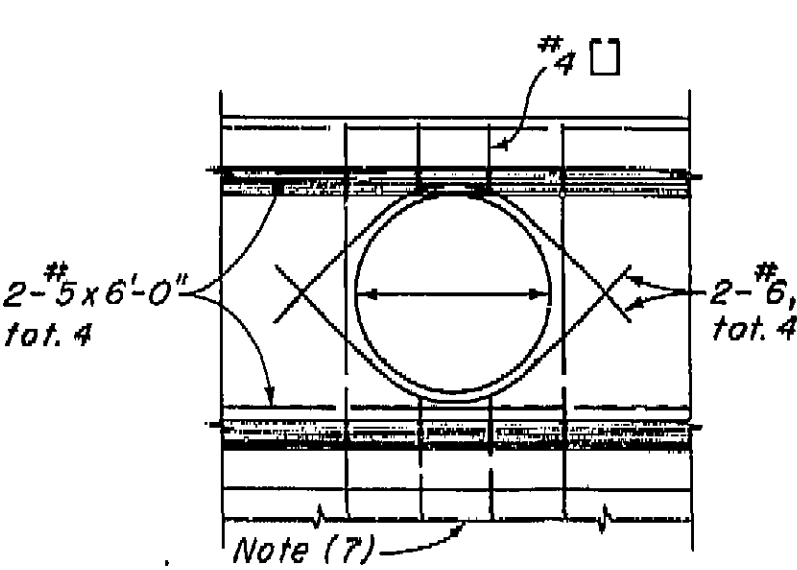
**TYPICAL
DETAIL U12**



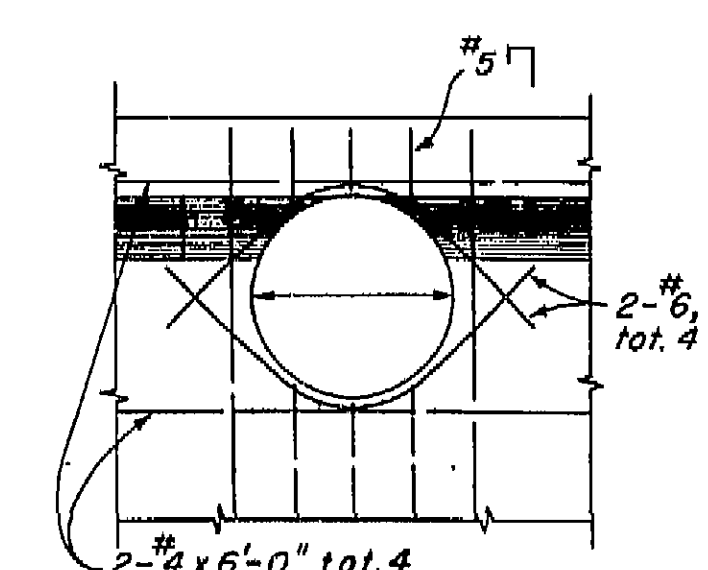
**NEAR COLUMN
DETAIL U13**



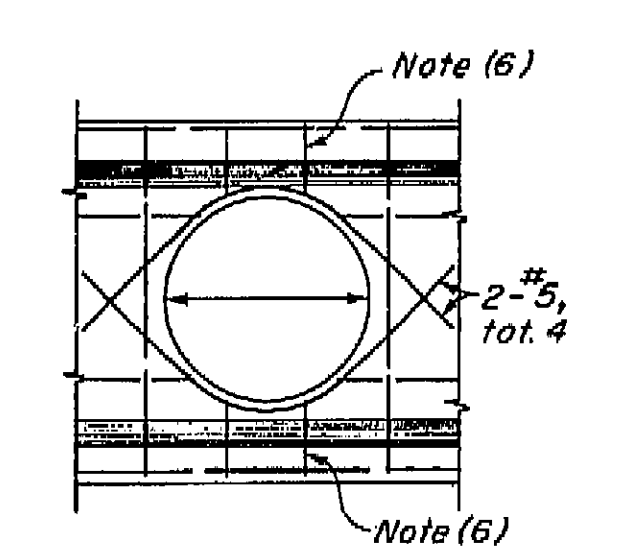
**AT COLUMN
DETAIL U14**



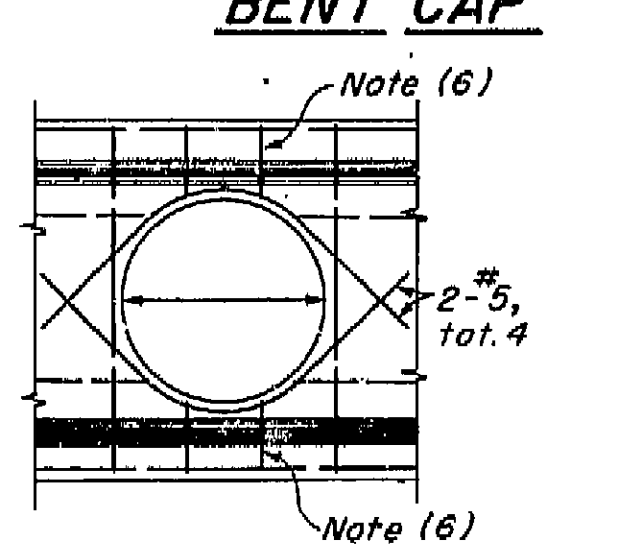
**RIGID FRAME
DETAIL U15**



**CANTILEVER TYPE
DETAIL U16**



**END
DETAIL U17**



**INTERMEDIATE
DETAIL U18**

ABUTMENT BACKWALL

DIAPHRAGMS

NOTES

- (1) For exact location and direction of openings see other sheets.
- (2) Location and size of utility openings may be modified as directed by the Engineer, provided minimum dimensions are maintained.
- (3) Girders not shown, see other sheets.
- (4) Seal around utilities at abutments to be of sufficient strength to withstand earth pressure.
- (5) All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.
- (6) Stirrups are same size as adjacent stirrups shown on other sheets.
- (7) Main reinforcement to clear opening as detailed on other sheets.

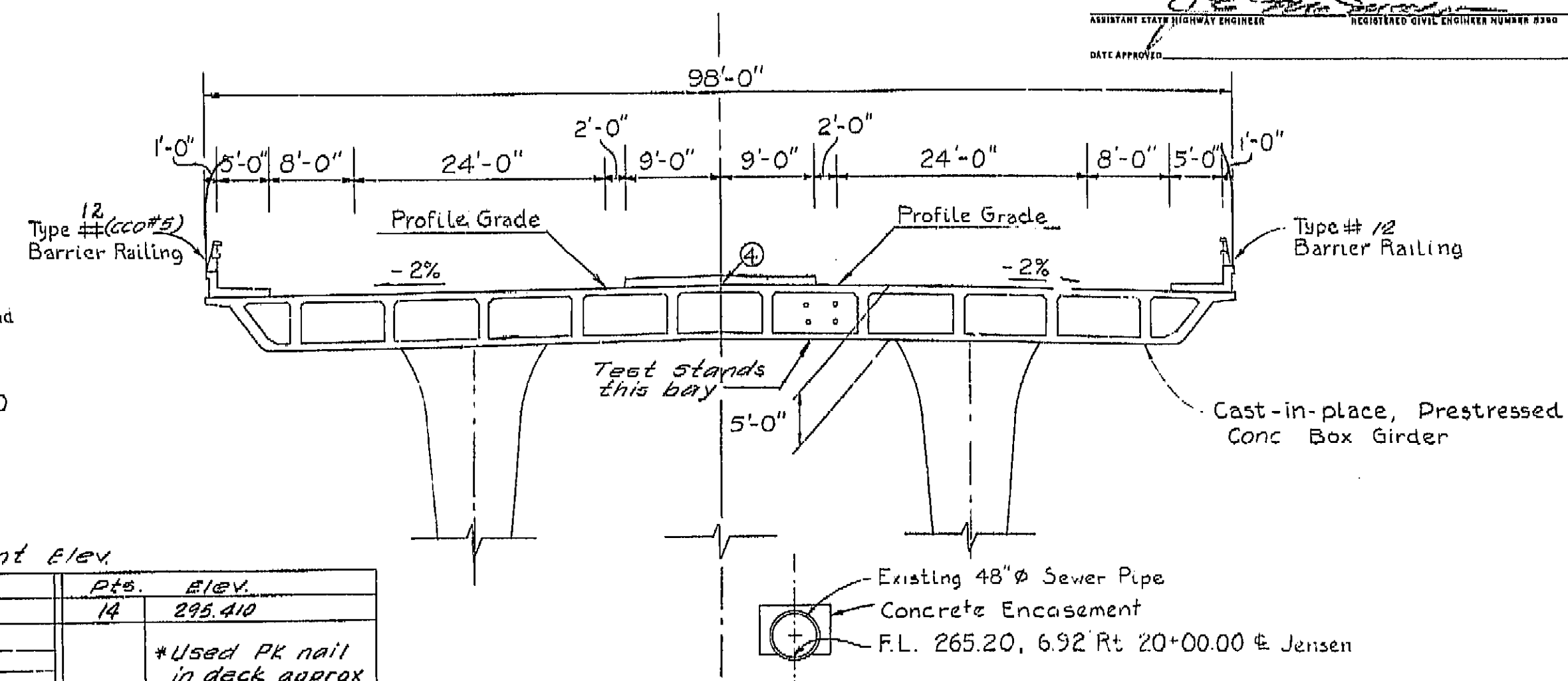
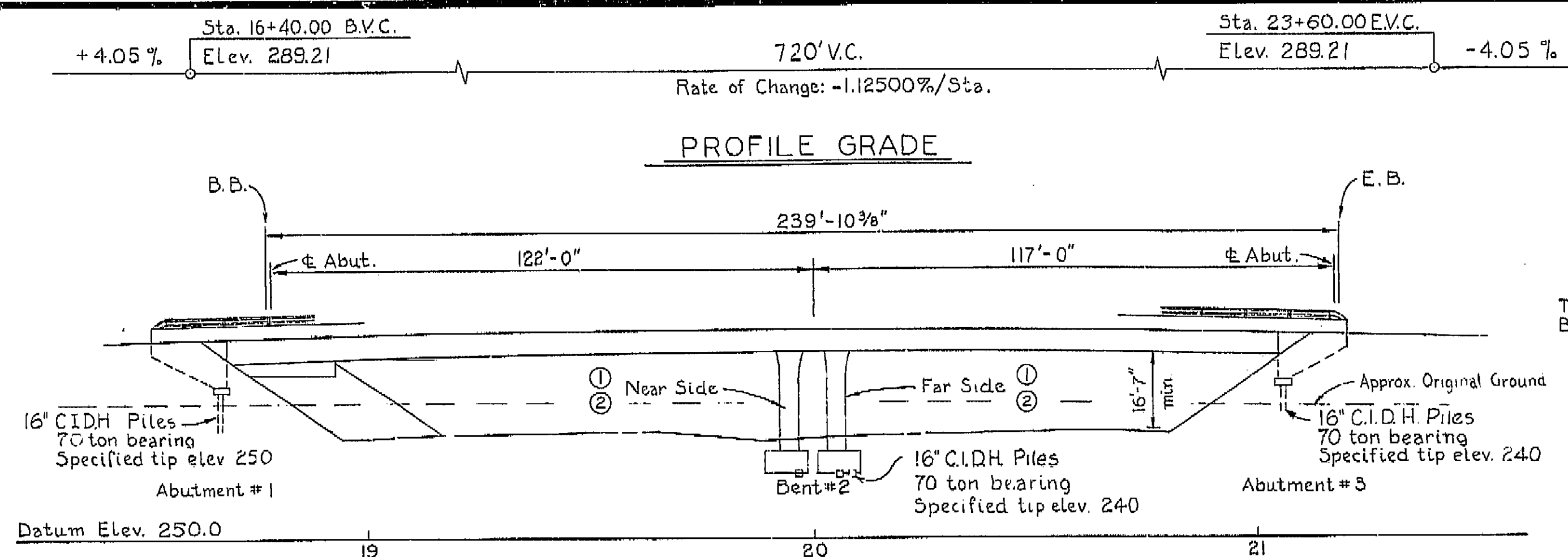
NO AS BUILT CHANGES
AS BUILT
CORRECTIONS BY *[Signature]*
CONTRACT NO. 06-098418
DATE 7/12/72

12/66		STATE OF CALIFORNIA HIGHWAY TRANSPORTATION AGENCY DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS		XS 16-49							
JENSEN AVE O.C.											
UTILITIES DETAIL NO. 1											
BRIDGE NO.	42-268	POST MILE	21.3	DRAWING NO.	42268-6						
SHEET		OF		6							
REVISION DATES (PRELIMINARY STAGE ONLY)											
<table border="1"> <tr> <td>NO.</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> <tr> <td>1</td> <td>12/66</td> <td>AS BUILT</td> </tr> </table>						NO.	DATE	DESCRIPTION	1	12/66	AS BUILT
NO.	DATE	DESCRIPTION									
1	12/66	AS BUILT									

PROJECT ENGINEER	DATE	DESIGN ENGINEER	DATE	APPROVAL RECOMMENDED BY	DATE
	4/70		4/70		4/70

W.O.

Disregard prints bearing earlier revision dates



Curve Data

R-3	E Rte. 41	R-2
Δ = 5° 53' 11"	Δ = 14° 22' 31"	Δ = 1° 12' 43"
R = 2000'	R = 5000'	R = 8000'
T = 102.827'	T = 630.551'	T = 84.613'
L = 205.474'	L = 1254.479'	L = 169.219'

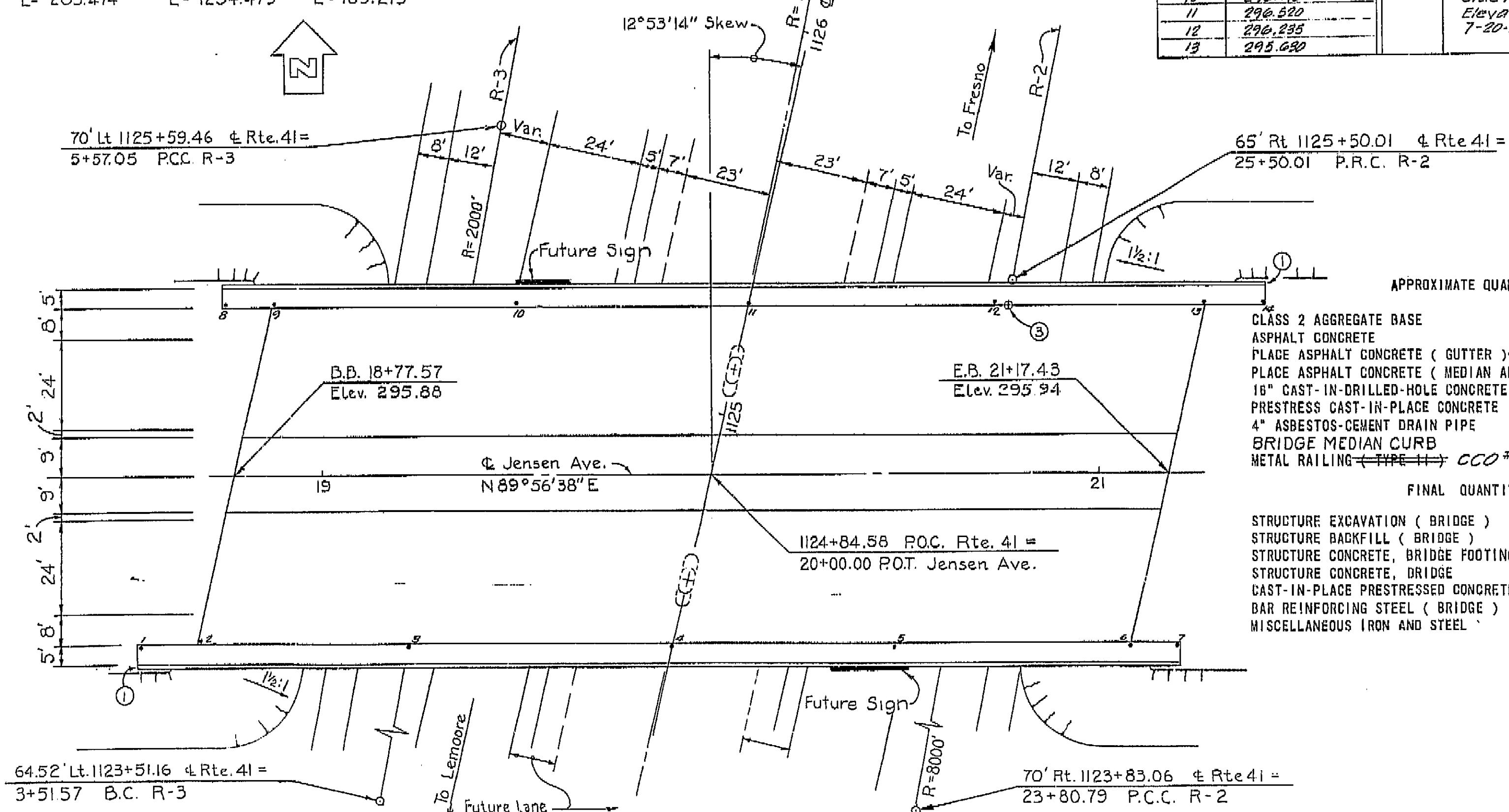
ELEVATION
Scale: 1" = 20'-0"

Permanent Elev.

Pile	Elev.	Pile	Elev.
1	295.910	14	295.410
2	294.890 A		
3	296.300		
4	296.490		
5	296.480		
6	295.584		
7	295.635		
8	295.630		
9	295.605		
10	296.440		
11	296.820		
12	296.235		
13	295.680		

*Used PK nail in deck approx 12" from face of South sidewalk at Abut. #1 As B.M. All other points are PK nails in sidewalk. Elevation taken 7-20-72

TYPICAL SECTION
Scale: 1" = 10'-0"



APPROXIMATE QUANTITIES

CLASS 2 AGGREGATE BASE	50 CY
ASPHALT CONCRETE	60 TON
PLACE ASPHALT CONCRETE (GUTTER) - MISC. AREA	77 SQ YD
PLACE ASPHALT CONCRETE (MEDIAN AREA) - MISC. AREA	442 SQ YD
16" CAST-IN-DRILLED-HOLE CONCRETE PILING	2,090 LF
PRESTRESS CAST-IN-PLACE CONCRETE	LUMP SUM
4" ASBESTOS-CEMENT DRAIN PIPE	82 LF
BRIDGE MEDIAN CURB	482 LF
METAL RAILING - TYPE 11	538 LF

FINAL QUANTITIES

STRUCTURE EXCAVATION (BRIDGE)	430 CY
STRUCTURE BACKFILL (BRIDGE)	265 CY
STRUCTURE CONCRETE, BRIDGE FOOTING	125 CY
STRUCTURE CONCRETE, BRIDGE	245 CY
CAST-IN-PLACE PRESTRESSED CONCRETE (GRADE 35-50)	1,525 CY
BAR REINFORCING STEEL (BRIDGE)	307,000 LB
MISCELLANEOUS IRON AND STEEL	50 LB

INDEX TO PLANS

SHEET	TITLE
1	General Plan
2	Grid Grades
3	Foundation Plan
4	Abutment & Bent Details
5	Typical Section & Girder Reinforcement
6	Utilities Detail No. 1
7	Log of Test Borings
Standard Plans dated July 1969	
B0-1,3	Bridge Details
B2-3	Cast-In-Drilled-Hole Concrete Pile
B7-1	Box Girder Details
B8-5	Cast-In-Place Prestressed Girder Details
B11-41	Barrier Railing Type 11
B11-43	Metal Railing Details - Types 9, 10, & 11

- ① Paint "Br. No. 42-268" & year constructed
- ② Paint "Jensen Ave."
- ③ Minimum vertical clearance
- ④ Pt of given elev. at B.B. & E.B.

FOR GENERAL NOTES SEE Foundation Plan
LIVE LOADING HS20-44 AND ALTERNATIVE

BRIDGE DEPARTMENT DESIGN SECTION 1 Section Supervisor: <i>[Signature]</i> Project Designer: <i>[Signature]</i>		STATE OF CALIFORNIA TRANSPORTATION AGENCY DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN: <i>[Signature]</i> DETAILS: <i>[Signature]</i> LAYOUT: <i>[Signature]</i> QUANTITIES: <i>[Signature]</i> SPECIFICATIONS: <i>[Signature]</i>		JENSEN AVENUE OVERCROSSING LOCATED ABOUT 500' S. OF THE S. CITY LIMIT OF FRESNO IN FRESNO COUNTY GENERAL PLAN	
APPROVAL RECOMMENDED BY: <i>[Signature]</i> DATE: 4/10		BRIDGE NO. 42-268 POST MILE 21.3 DRAWING NO. 42268-1	SHEET 1 OF 7

DIST.	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R 20.8 / R 21.2	20	

DESIGN SECTION SUPERVISOR *Alvin J. Ward*
REGISTERED CIVIL ENGINEER NO. 7589
DATE APPROVED _____



NO AS BUILT CHANGES
AS BUILT
COLLECTED BY *RK Arje* HHO 4/1/12
CONTRACT NO. *06-098418*
DATE *7/12/12*

SCALE
1" = 10'-0"

Elevations are figured normal from profile line at 10' stations along & Jensen Ave. These elevations do not include camber.

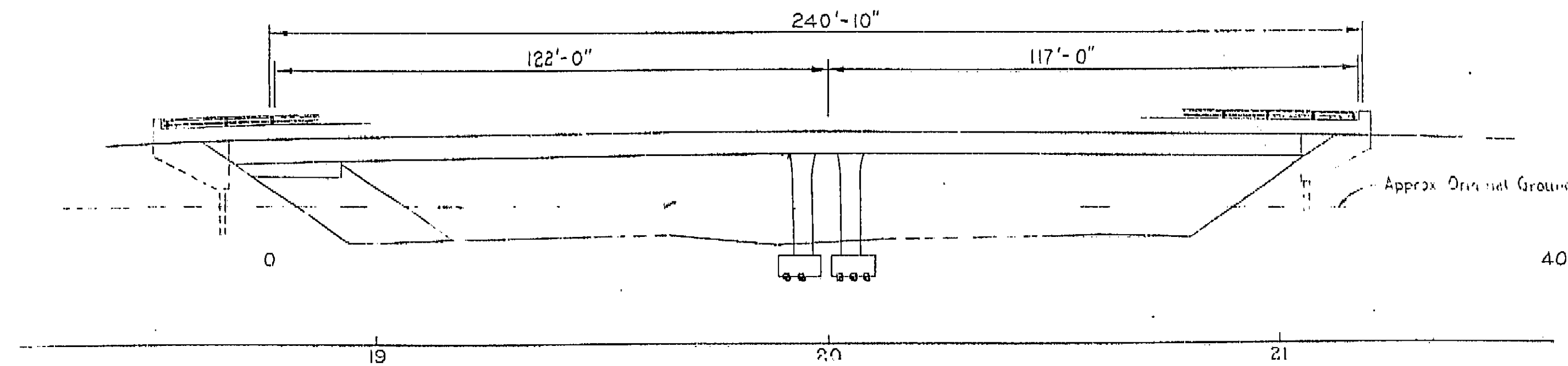
BRIDGE DEPARTMENT DESIGN SECTION 1		STATE OF CALIFORNIA TRANSPORTATION AGENCY DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
Project Engineer: <i>Alvin J. Ward</i> DESIGN: By <i>J.A. Aristotle</i> CHECKED: <i>Alvin J. Ward</i> DETAILS: By <i>J.A. Aristotle</i> CHECKED: <i>Alvin J. Ward</i> QUANTITIES: By <i>CR Jordan</i> CHECKED: <i>Alvin J. Ward</i>		JENSEN AVE. O.C. GRID GRADES BRIDGE NO. 42-268 POST MILE 21.3 DRAWING NO. 42268-2 SHEET 2 OF 7 REVISION DATES (PRELIMINARY STAGE ONLY)	

PROJECT ENGINEER	DATE	DESIGN ENGINEER	DATE	APPROVAL RECOMMENDED BY	DATE
<i>Alvin J. Ward</i>	4/70	<i>Alvin J. Ward</i>	4/70		4/70

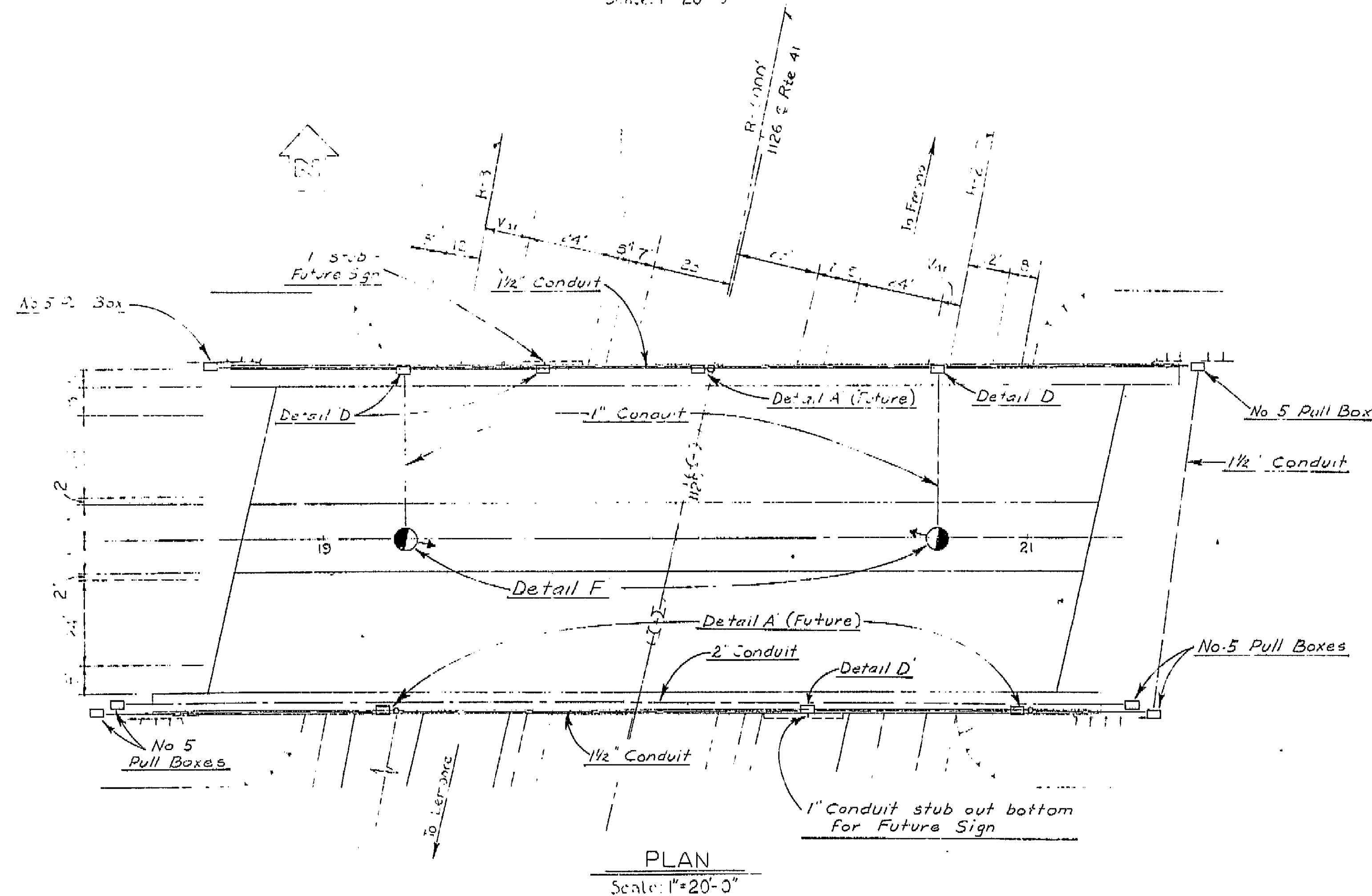
WO 098411
CU 06202

Discard prints bearing earlier revision dates

PROFILE GRADE

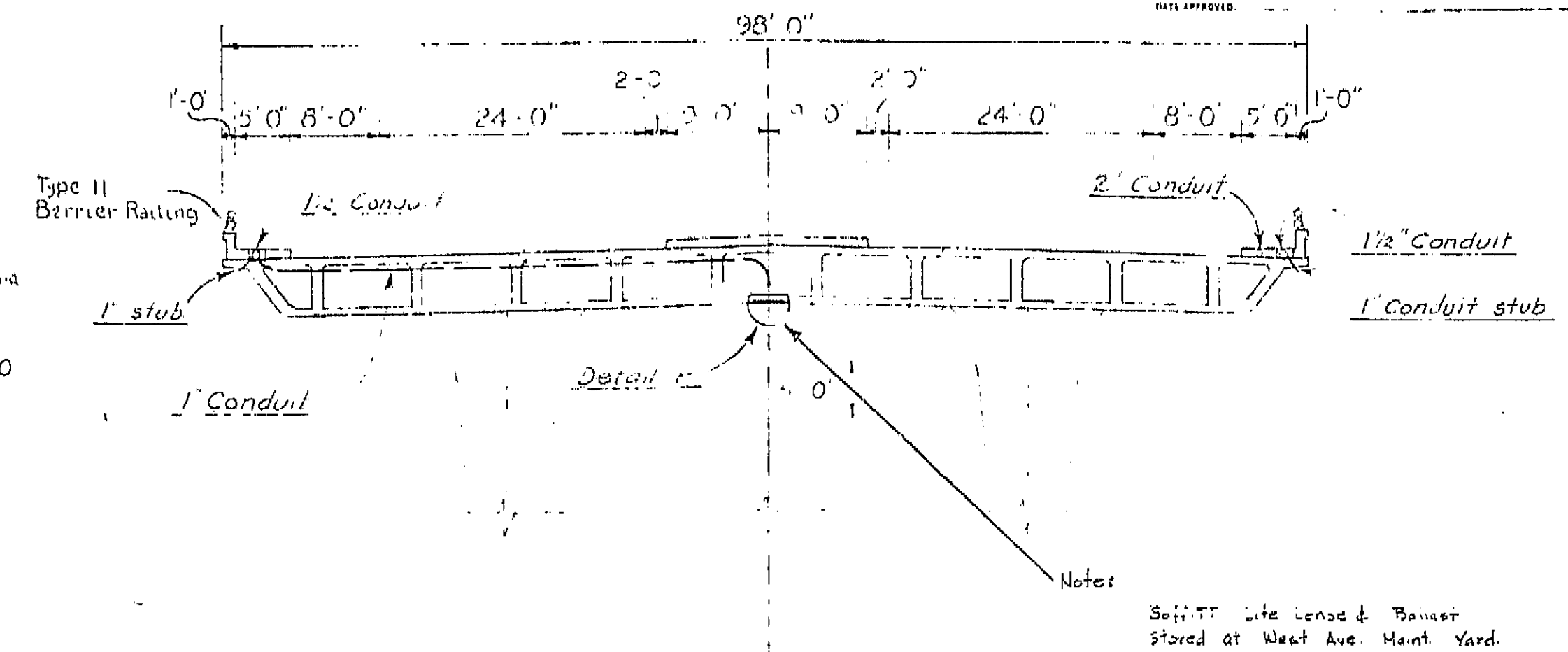


ELEVATION Scale: 1"=20'-0"



PLAN Scale: 1"=20'-0"

FOR GENERAL NOTES SEE Standard Plans ES-7A, ES-7B



TYPICAL SECTION Scale: 1"=10'-0"

Note: This Plan Accurately For Electrical Details Only

BRIDGE DEPARTMENT DESIGN SECTION Section Supervisor Project Designer		STATE OF CALIFORNIA TRANSPORTATION AGENCY DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN DETAILS LAYOUT QUANTITIES SPECIFICATIONS		JENSEN AVENUE OVERCROSSING LOCATED ABOUT 500' S. OF THE S. CITY LIMIT OF FRESNO IN FRESNO COUNTY LIGHTING PLAN	
APPROVAL RECOMMENDED BY DATE		BRIDGE NO. 42-268	POST MILE 21.3 DRAWING NO. 42268-1 SHEET 8 OF 8

PROJECT NO.	DATE	DESIGN ENGINEER	DATE	APPROVAL RECOMMENDATION
910	11-29	J. G. M. [Signature]	11-29	910

WO	CU	66262
----	----	-------

CITY OF FRESNO		DEPARTMENT OF PUBLIC WORKS	
APPROVED	APPROVED	APPROVED	APPROVED
DATE	DATE	DATE	DATE

DIST.	COUNTY	ROUTE	SECTION	SHEET	TOTAL
6	FRE	41	R20.8/R21.2	21	

DATE APPROVED _____
 PROJECT SUPERVISOR _____ REGISTERED CIVIL ENGINEER NO. 7066

GENERAL NOTES

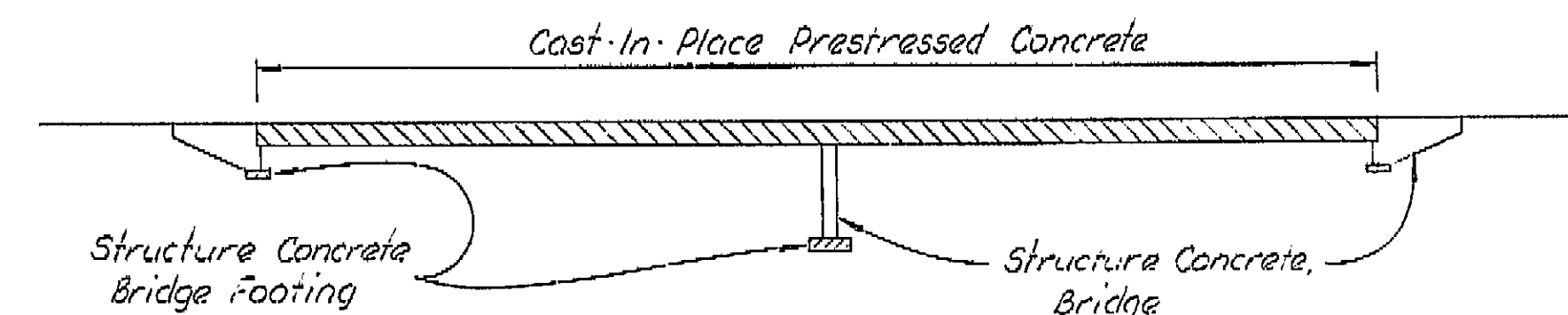
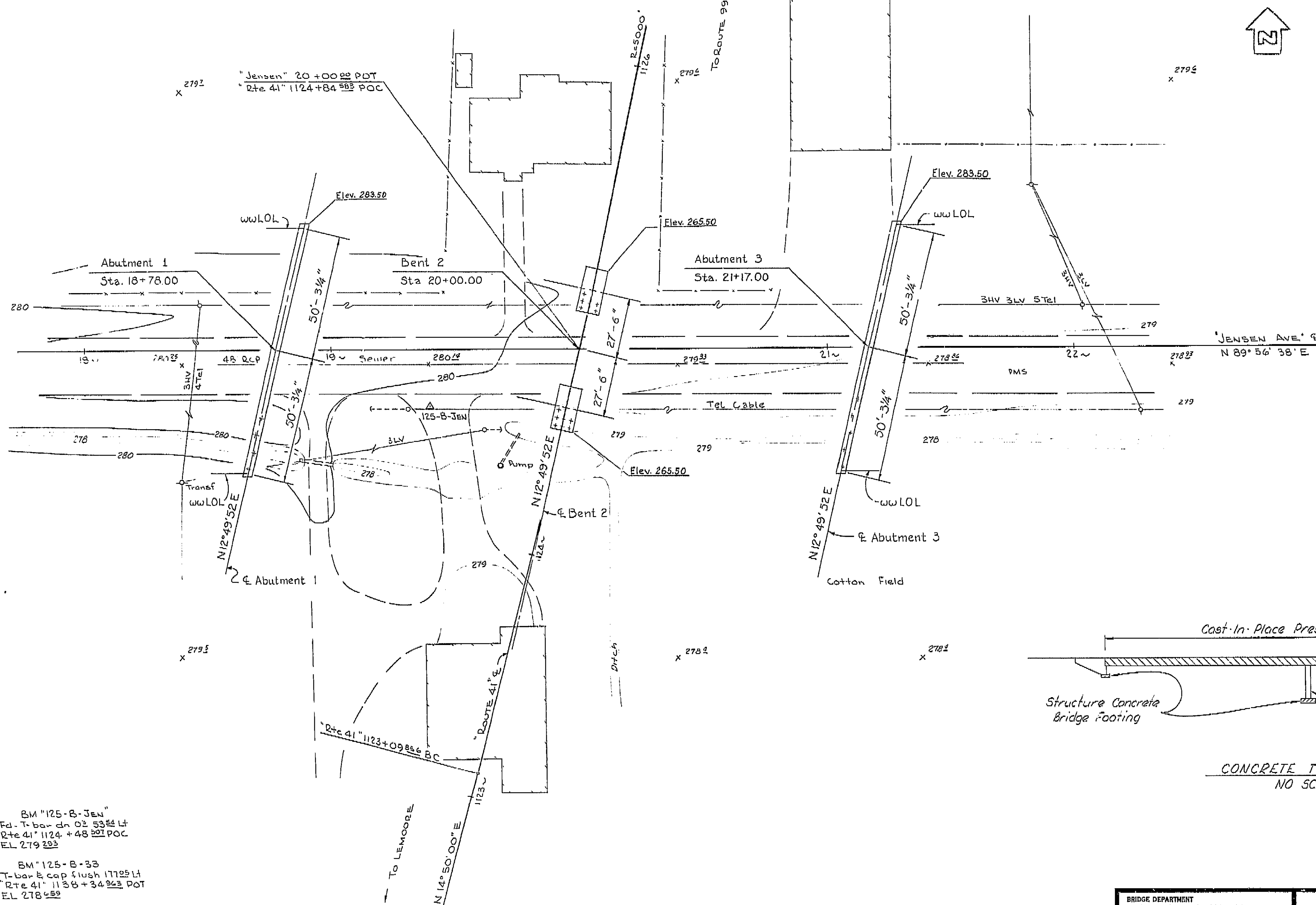
DESIGN: A.A.S.H.O. DATED 1965 WITH REVISIONS AND AS SUPPLEMENTED BY BRIDGE PLANNING AND DESIGN MANUAL.

LIVE LOADING: HS20-44 AND ALTERNATIVE

REINFORCED CONCRETE: $F_c = 24,000$ PSI, EXCEPT
 $= 20,000$ PSI IN TRANSVERSE DECK
 SLABS AND STIRRUPS

$F_c = 1,300$ PSI, EXCEPT
 $= 1,200$ PSI IN TRANSVERSE DECK SLAB

$N=10$



CONCRETE TYPE LIMITS

NO SCALE

NO AS BUILT CHANGES

DATE 5/12/72

DATE 5/12/72

DATE 5/12/72

PR-42268-1

BM "125-B-JEN"
 Fd. T-bar dn 02 53 54 Lt
 Rte 41 1124 + 48 501 POC
 EL 279 223

BM "125-B-33"
 T-bar & cap flush 177 25 Lt
 Rte 41 1136 + 34 363 POC
 EL 278 459

SCALE 1" = 20'
 LEVEL DATUM DISTRICT
 FOR ALIGNMENT TIES SEE PR-42268-3
 CONTOURS AS OF 5-65
 SITE PLAN TO SUPPLEMENT DISTRICT DATA
 SURVEY BY DATE 8-65
 DRAWN BY DATE 9-65
 CHECKED BY DATE 9-65

PROJECT ENGINEER	DATE	DESIGN ENGINEER	DATE	APPROVAL RECOMMENDED BY	DATE
	8/70		8/70		8/70

WO 06202
 098411

Disregard prints bearing earlier revision dates

E-42

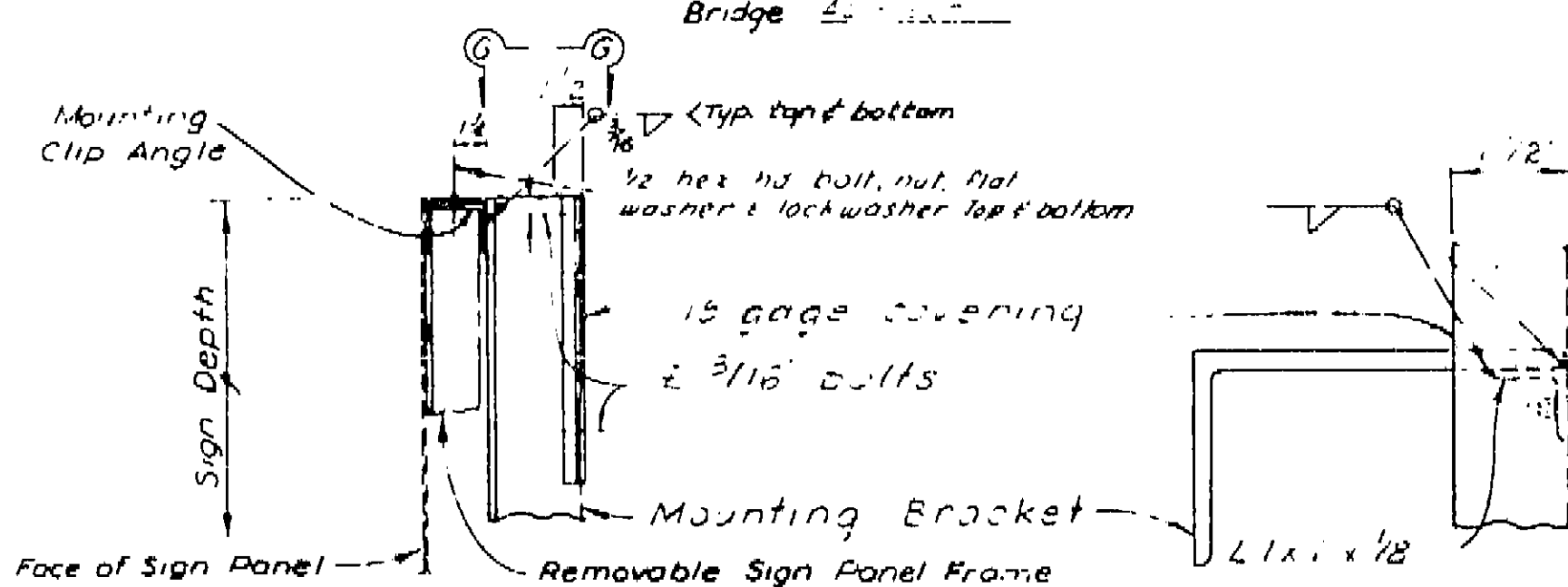
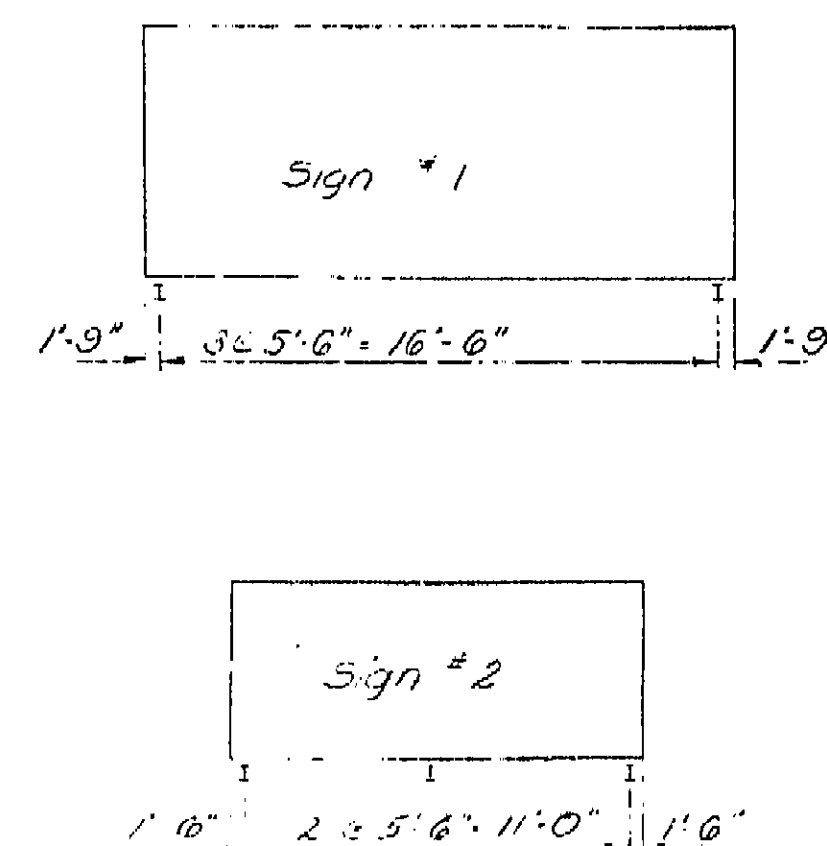
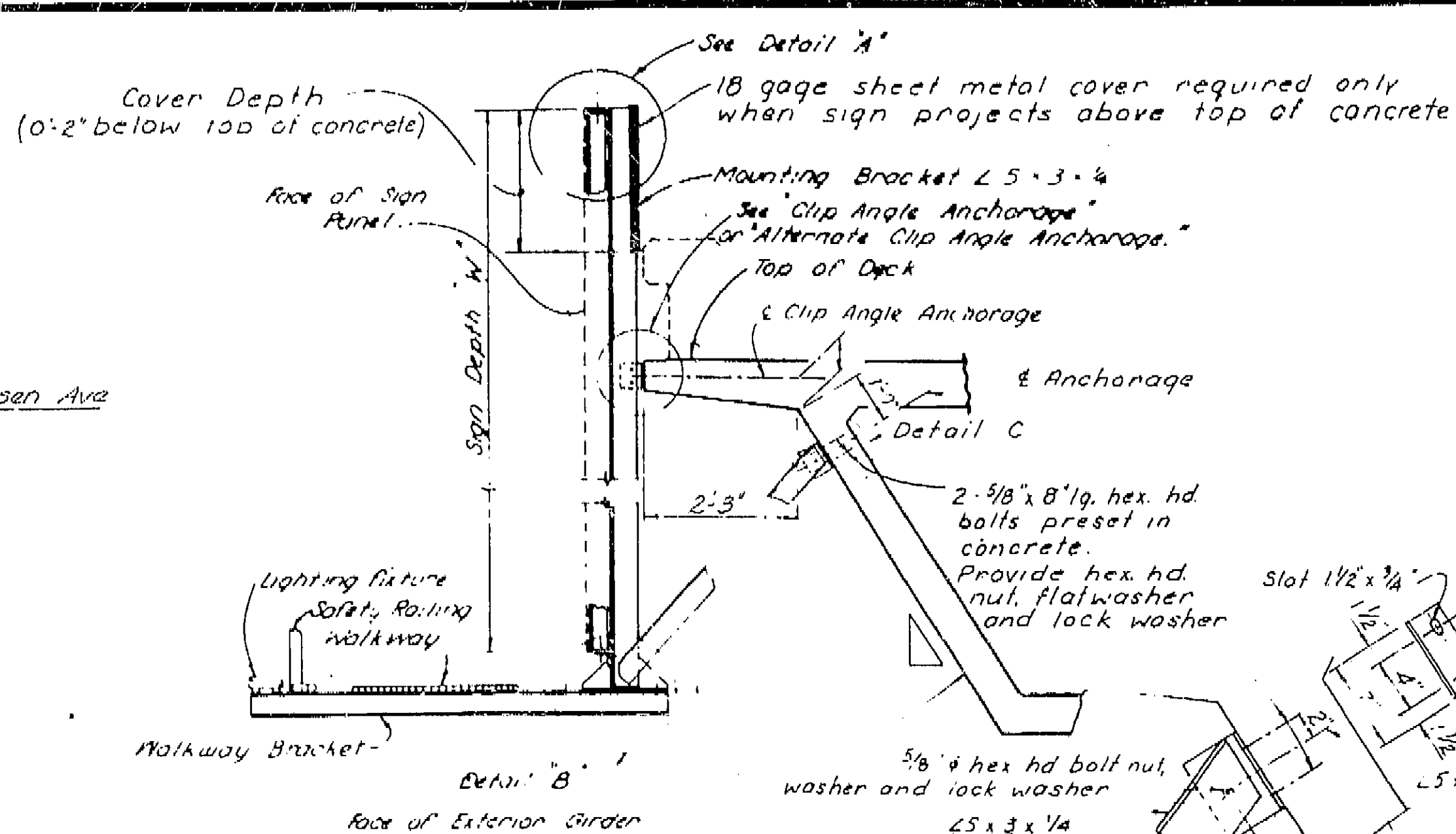
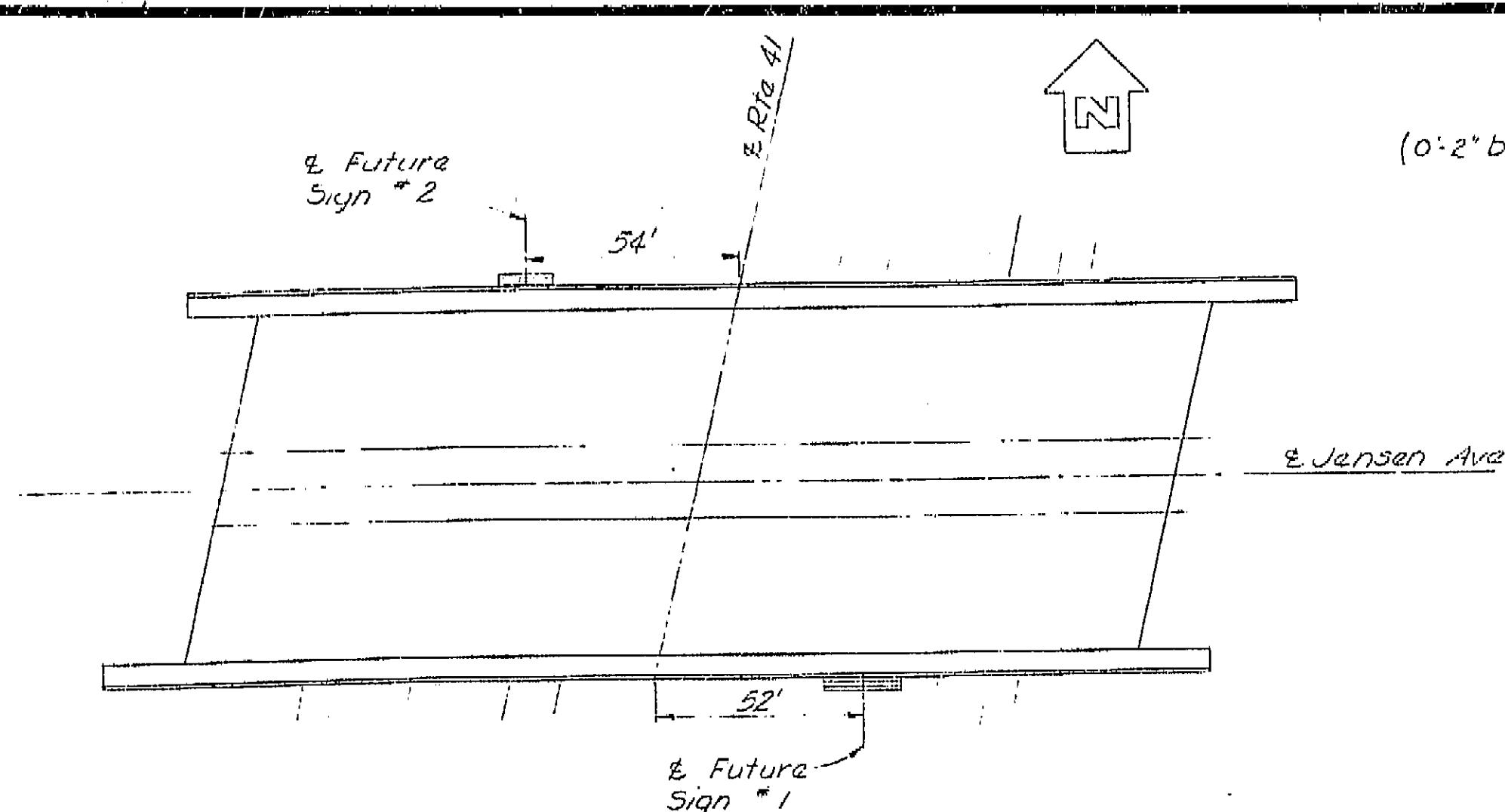
REVISION DATES

(PRELIMINARY STAGE ONLY)

BY 2014 RELEASED BY CALTRANS

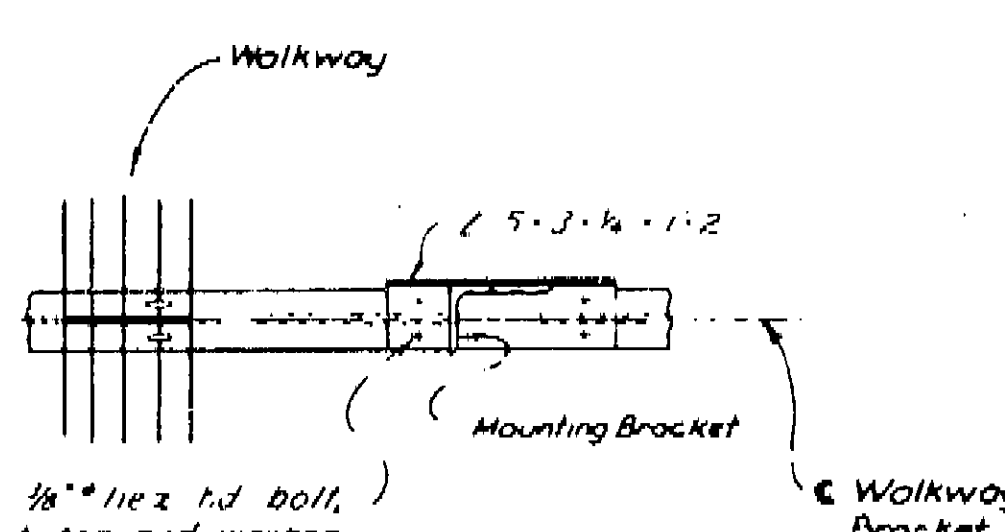
2014 RELEASED BY CALTRANS

DIST.	COUNTY	RTE.	PROJECT	DATE	BY
06	Fres	41	R20.8/R21.2	10/80	W. Brown

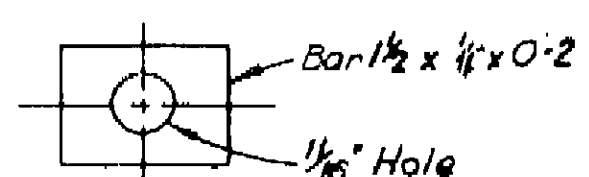


3/16" bolts 5/2 max spacing 1/4 holes in angles and cover to be drilled at time of erection. Vertical lap joints in cover permissible.

VIEW G-G
Scale: 6" = 1'-0"

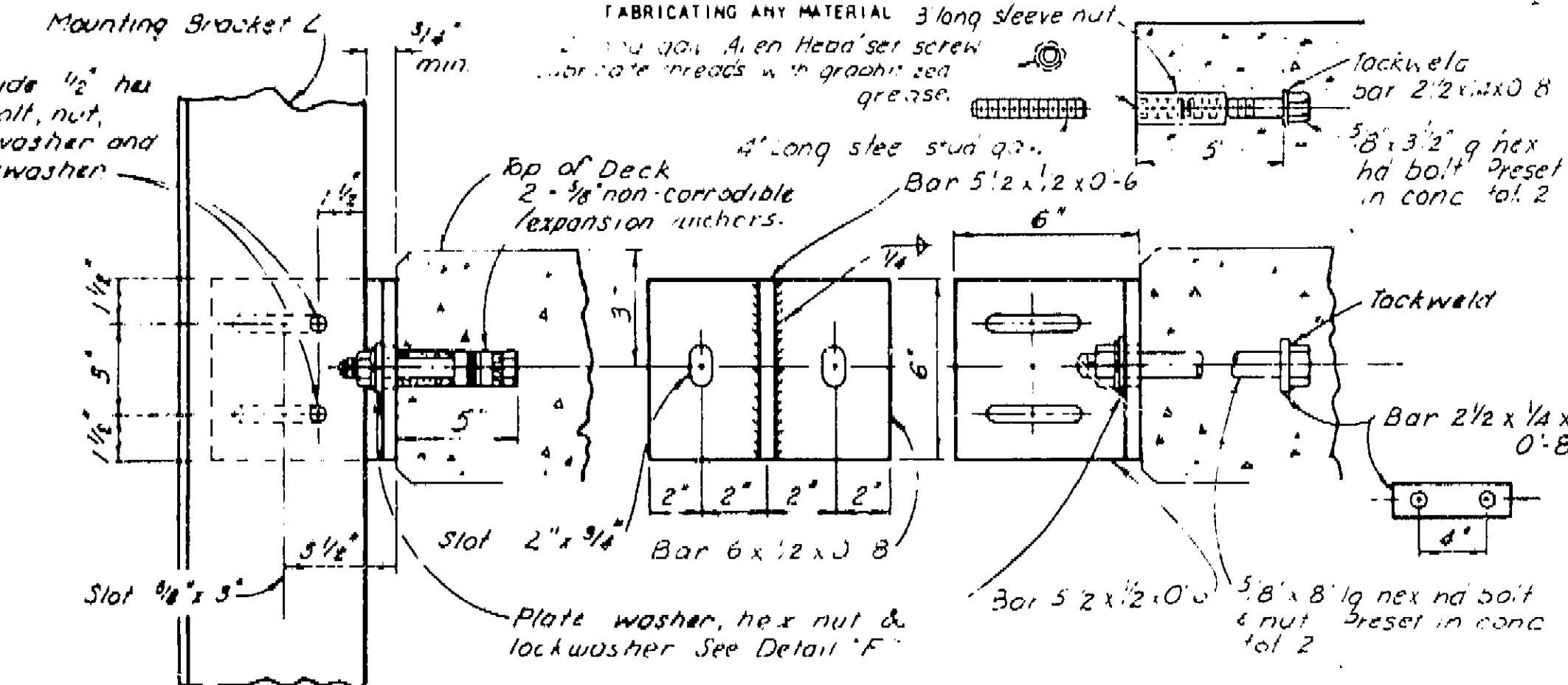


Note: For details not shown see Standard Plans



DETAIL C
Scale: 1/2" = 1'-0"

Note: THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. 3 long sleeve nut.



Note: Bolts only are to be installed under this contract.

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
JENSEN AVENUE OVERCROSSING			
BRIDGE MOUNTED SIGN			
42-088	213	9	31

BATTERED EXTERIOR GIRDER

CITY OF FRESNO		DEPARTMENT OF PUBLIC WORKS	
APPROVED	DATE	APPROVED	DATE
W. Brown	10/80	W. Brown	10/80